



(Use as many sheets as necessary)

1

of

5

Attorney Docket Number	606-42-PCT-PA
------------------------	---------------

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES FOR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Applicant Number	10/528,208
Filing Date	March 17, 2005
First Named Inventor	Meier, et al.
Group Art Unit	1645
Examiner Name	Unknown
Attorney Docket Number	606-42-PCT-PA

Sheet

2

5

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
/CKW/		Belanger H, Fleysh N, Cox S, Bartman G, Deka D, Trudel M, Koprowski H, Yusibov V. Human respiratory syncytial virus vaccine antigen produced in plants. FASEB J. 2000 Nov; 14(14):2323-2328.	<input type="checkbox"/>
/CKW/		Bouquin T, Thomsen M, Nielsen LK, Green TH, Mundy J and Dziegiel MH (2002) Human anti-Rhesus D IgG1 antibody produced in transgenic plants. Transgenic Res 11: 115-122.	<input type="checkbox"/>
/CKW/		Chargelegue D, Vine ND, van Dolleweerd CJ, Drake PM, Ma JK. A murine monoclonal antibody produced in transgenic Res. 2000 Jun; 9(3):187-94	<input type="checkbox"/>
/CKW/		De Jaeger G, De Wilde C, Eeckhout D, Fiers D, Depicker A. The plantibody approach: expression of antibody genes in plants to modulate plant metabolism or to obtain pathogen resistance. Plant Mol Biol. 2000 Jul; 43 (4):419-28.	<input type="checkbox"/>
/CKW/		Fischer R and Emans N (2000) Molecular farming of pharmaceutical proteins. Transgenic Res 9: 279-299.	<input type="checkbox"/>
/CKW/		Giddings G, Allison G, Brooks D and Carter A (2000) Transgenic plants as factories for biopharmaceuticals. Nat Biotechnol 18: 1151-1155.	<input type="checkbox"/>
		Isaacs JD. The antiglobulin response to therapeutic antibodies. Seminars in Immunology 1990; 2: 449-456.	<input type="checkbox"/>
/CKW/		Kohler G, Milstein C. Continuous cultures of fused cells secreting antibody of predefined specificity. Nature 1975; 256: 495-497.	<input type="checkbox"/>
/CKW/		Ma JK, Hikmat BY, Wycoff K, Vine ND, Chargelegue D, Yu L et al. (1998) Characterization of a recombinant plant monoclonal secretory antibody of preventive immunotherapy in humans Nat Med 4:601-606.	<input type="checkbox"/>

Examiner
Signature

/Cathy Worley/

Date
Considered

05/31/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
			Applicant Number	10/528,208	
			Filing Date	March 17, 2005	
			First Named Inventor	Meier, et al.	
			Group Art Unit	1645	
			Examiner Name	Unknown	
Sheet	3		5	Attorney Docket Number	606-42-PCT-PA

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²	
/CKW/		Richter LJ, Thanavala Y, Arntzen CJ, Mason HS. Production of hepatitis B surface antigen in transgenic plants for oral immunization. Nat Biotechnol. 2000 Nov; 18 (11): 1167-1171.	<input type="checkbox"/>	<input type="checkbox"/>
/CKW/		Verch T, Yusibov V and Koprowski H (1998) Expression and assembly of a full length monoclonal antibody in plants using a plant virus vector. J Immunol Methods 220: 69-75.	<input type="checkbox"/>	<input type="checkbox"/>
/CKW/		Zeitlin L, Olmsted SS, Moench TR, Col MS, Martinell BJ, Paradkar VM et al. (1998) A humanized monoclonal antibody produced in transgenic plants for immunoprotection of the vagina against genital herpes. Nat Biotechnol 16: 1361-1364.	<input type="checkbox"/>	<input type="checkbox"/>
/CKW/		Hiatt A, Cafferkey R and Bowdish K (1989) Production of antibodies in transgenic plants. Nature 342:76-78	<input type="checkbox"/>	<input type="checkbox"/>
		Will, et al., 1996.	<input type="checkbox"/>	<input type="checkbox"/>
		Power et al., 1995.	<input type="checkbox"/>	<input type="checkbox"/>
		Regnault et al., (1999) J exp Med. 189: 371-380	<input type="checkbox"/>	<input type="checkbox"/>
		Ward, E.S. et al., Nature 341:544-546 (1989).	<input type="checkbox"/>	<input type="checkbox"/>
		Bird et al., Science 242: 423-426 (1988)	<input type="checkbox"/>	<input type="checkbox"/>
		Huston et al. PNAS USA 85: 5879-5883 (1988)	<input type="checkbox"/>	<input type="checkbox"/>

Examiner Signature	/Cathy Worley/	Date Considered	05/31/2007
--------------------	----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
			Applicant Number	10/528,208	
			Filing Date	March 17, 2005	
			First Named Inventor	Meier, et al.	
			Group Art Unit	1645	
			Examiner Name	Unknown	
Sheet	4		5	Attorney Docket Number	606-42-PCT-PA

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		P. Hollinger et al., Proc. Natl. Acad. Sci. USA 90:6444-6448 (1993).	<input type="checkbox"/>
		Velten et al., 1984	<input type="checkbox"/>
		Shen and Forde (1989)	<input type="checkbox"/>
		Bechtold and Pelletier, 1998	<input type="checkbox"/>
		Clough and Bent, 1998	<input type="checkbox"/>
/CKW/		BIOSIS, accession no. PREV200200359263, Bouquin Thomas et al, "human anti-Rhesus D igG1 antibody produced in transgenic plants" Transgenic Research, (2002), vol. 11, no.2, pg115-122, page 116-117	<input type="checkbox"/>
/CKW/		Eur J Immunol. Vol. 24, no.1, 1994 Jan, Ma JK, Lehner T. et al: "Assembly of monoclonal antibodies with IgA heavy chain domains in transgenic tobacco plants' pages 131-138, page 132, section 2,4	<input type="checkbox"/>
/CKW/		Plant J. volume 27, no. 3, 2001 Aug. Li X, Song Y et al, "A fast neutron deletion mutagenesis-based reverse genetics system for plants," pgs 235-242, page 237	<input type="checkbox"/>
/CKW/		BIOSIS, accession no. PREV 19990087821, McCormick Alison A et al, "Rapid production of specific vaccines for lymphoma by expression of the tumor derived single-chain Fv Epitopes in tobacco plants," Proceedings of the National Academy of Sciences of the United States of America, (1999), vol. 96, No. 2, pg 703-7608, page 703, right column	<input type="checkbox"/>
/CKW/		Biosis, accession no. PREV 199900255881, Franconi Rosella et al, "Functional expression in bacteria and plants of an scFv antibody fragment against tospoviruses," Immunotechnology (Shannon), (1999), vol.4, no. 3-4, pg 189-201, abstract	<input type="checkbox"/>

Examiner Signature	/Cathy Worley/	Date Considered	05/31/2007
--------------------	----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

(use as many sheets as necessary)

Applicant Number	10/528,208
Filing Date	March 17, 2005
First Named Inventor	Meier, et al.
Group Art Unit	1645
Examiner Name	unknown
Attorney Docket Number	606-42-PCT-PA

Sheet	5	of	5
-------	---	----	---

[illegible]

Examiner Signature	/Cathy Worley/	Date Considered	05/31/2007
-----------------------	----------------	--------------------	------------

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231